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10/586,889	07/20/2006	Hiroshi Kishi	P/4937-2	9348
Robert C. Faber	7590 01/26/200 r	EXAMINER		
Ostrolenk, Faber, Gerb & Soffen, LLP			BARRY, CHESTER T	
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			1797	
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Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

	Application No.	Applicant(s)			
	10/586,889	KISHI, HIROSHI			
Office Action Summary	Examiner	Art Unit			
	CHESTER T. BARRY	1797			
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with the c	orrespondence address			
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING DA - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period w. - Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply be tim vill apply and will expire SIX (6) MONTHS from cause the application to become ABANDONEI	l. lely filed the mailing date of this communication. (35 U.S.C. § 133).			
Status					
Responsive to communication(s) filed on <u>20 Jules</u> This action is FINAL . 2b)⊠ This 3)□ Since this application is in condition for alloward closed in accordance with the practice under E	action is non-final. nce except for formal matters, pro				
Disposition of Claims					
4) Claim(s) 1-23 is/are pending in the application. 4a) Of the above claim(s) is/are withdrav 5) Claim(s) 1-19 is/are allowed. 6) Claim(s) 20-23 is/are rejected. 7) Claim(s) is/are objected to. 8) Claim(s) are subject to restriction and/or Application Papers 9) The specification is objected to by the Examine 10) The drawing(s) filed on is/are: a) access applicant may not request that any objection to the or	vn from consideration. relection requirement. r. epted or b) □ objected to by the E				
Replacement drawing sheet(s) including the correcti		• •			
11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.					
Priority under 35 U.S.C. § 119					
12) ☐ Acknowledgment is made of a claim for foreign a) ☐ All b) ☐ Some * c) ☐ None of: 1. ☐ Certified copies of the priority documents 2. ☐ Certified copies of the priority documents 3. ☐ Copies of the certified copies of the prior application from the International Bureau * See the attached detailed Office action for a list of the certified copies.	s have been received. s have been received in Application ity documents have been receive n (PCT Rule 17.2(a)).	on No ed in this National Stage			
Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date 7/20/06.	4) Interview Summary Paper No(s)/Mail Da 5) Notice of Informal P 6) Other:	te			

USP 5906746 to HELMO describes three approaches for nitrogen removal from wastewater. One method involves denitrification and nitrification accomplished through alternate levels of aeration (col 2 line 25). See also USP 5266200. The denitrification and nitrification processes do not occur simultaneously as claimed. Another method involves simultaneous nitrification in a first compartment at a first aeration level and denitrification in a second compartment at a second aeration level (col 2 line 30). See also USP 5071559. The first and second compartments are not in a single reactor, as claimed. A third method (Helmo's method) involves simultaneous nitrification and denitrification in the same vessel at a substantially constant and controlled aeration level, e.g., 1 mg/L dissolved oxygen. See also FR 2372121 (and Derwent English language Abstract). The method does not involve changing the aeration level from a first aeration level to a second, lower, aeration level.

Accordingly, Claims 1- 19 are allowed.

Claims 21 – 23 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

In claim 20, it is unclear whether "comprising . . . a single reactor" means "comprising . . .at most a single reactor."

It is unclear to which structure in the specification the "means plus function" phrases "means for preparing" and "means for treating" correspond under Sec. 112, sixth paragraph.

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It is clear that the method steps of claim 1 do not limit the structure of any of claims 20 - 23.

/Chester T. Barry/

Primary Examiner, Art Unit 1797

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